

Human β -Amyloid (1-42)

Cat. No. APP-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CAS No. 107761-42-2 Solubility: Soluble in water
Species	Human
Source	Synthetic
Description	<p>This peptide is well suited to the quantitative determination of A 42 peptide. Alzheimer's disease (AD) is characterized by the presence of extracellular plaques and intracellular neurofibrillary tangles (NFTs) in the brain. The major protein component of these plaques is beta amyloid peptide (A), a 40- to 43- amino-acid peptide cleaved from amyloid precursor protein by secretase (BACE) and a putative (gamma) secretase. Increased release of the 'longer forms' of A peptide, A 42 and A 43, which have a greater tendency to aggregate than A 40, occurs in individuals expressing certain genetic mutations, expressing certain ApoE alleles or may other, still undiscovered factors.</p>
Molecular Mass	4514.1 Da
AA Sequence	<p>Sequence: Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala</p> <p>Sequence Shortening: DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA</p>
Purity	> 95%

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Storage Store at -20 centigrade.

GENE INFORMATION

Gene Name APP

Official Symbol APP amyloid beta precursor protein [Homo sapiens (human)]

Synonyms APP; amyloid beta precursor protein; AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma; amyloid-beta A4 protein; alzheimer disease amyloid protein; amyloid beta (A4) precursor protein; amyloid beta A4 protein; amyloid precursor protein; beta-amyloid peptide; beta-amyloid peptide(1-40); beta-amyloid peptide(1-42); beta-amyloid precursor protein; cerebral vascular amyloid peptide; peptidase nexin-II; protease nexin-II; testicular tissue protein Li 2

Gene ID 351

mRNA Refseq NM_000484

Protein Refseq NP_000475

MIM 104760

UniProt ID P05067

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